

Table 7. Energy Consumption Estimates by Source, Selected Years, 1960-2000, California

Year	Coal ^a Thousand Short Tons	Natural Gas ^b Billion Cubic Feet	Petroleum											Nuclear Electric Power	Hydro-electric Power ^e	Wood and Waste ^a	Other ^{a,f}	Net Interstate Flow of Electricity/Losses ^g	Total ^h
			Asphalt & Road Oil ^a	Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	Kerosene ^a	LPG ^{a,c}	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Other ^{a,d}	Total						
			Thousand Barrels															Million kWh	
1960	R 1,342	1,258	10,665	5,383	26,683	25,818	1,017	8,888	3,781	137,025	80,575	25,691	325,526	(s)	17,045	—	—	3,463	—
1965	R 2,379	1,690	11,892	3,342	35,105	40,150	817	11,029	4,482	169,900	69,745	28,664	375,126	270	30,520	—	—	-1,406	—
1970	2,327	2,126	12,084	2,184	39,221	59,614	1,004	15,532	3,967	214,064	70,324	35,824	453,818	3,132	38,071	—	—	39,011	—
1975	2,151	1,833	13,146	1,640	42,335	62,607	2,027	19,264	3,632	241,508	111,086	39,478	536,724	6,071	40,103	—	—	113,596	—
1980	2,669	1,808	18,431	285	62,277	63,201	2,117	19,197	4,907	253,593	148,701	49,455	622,165	4,920	40,868	—	—	122,895	—
1985	1,942	1,846	13,848	1,354	72,431	67,028	916	20,497	4,465	267,368	66,724	55,165	569,796	19,729	35,772	—	—	R 173,111	—
1990	R 3,642	1,864	14,862	1,106	82,559	94,907	145	19,992	5,024	305,983	64,890	54,940	644,408	32,693	R ⁱ 26,429	—	—	R 278,042	—
1991	R 4,002	1,971	14,251	1,091	75,409	90,064	139	18,596	4,495	298,698	45,571	45,165	593,479	31,542	R 22,651	—	—	R 300,418	—
1992	R 4,062	2,031	13,558	1,059	67,259	86,688	75	21,088	4,583	315,643	34,696	48,344	592,992	35,244	R 20,217	—	—	R 269,817	—
1993	R 3,816	1,976	12,433	819	59,089	89,244	131	16,655	4,666	308,726	37,615	43,672	573,050	31,581	40,791	—	—	R 238,908	—
1994	R 3,703	2,123	12,237	793	64,921	98,793	120	18,099	4,877	307,653	42,525	45,397	595,417	33,752	R 24,052	—	—	R 246,066	—
1995	R 3,675	1,925	12,212	807	68,710	95,305	164	14,798	4,793	313,464	46,957	42,389	599,599	30,246	R 50,572	—	—	R 260,647	—
1996	R 3,169	1,807	12,399	769	67,412	103,773	294	10,914	4,652	318,257	40,949	46,392	605,810	34,097	R 47,124	—	—	R 297,911	—
1997	R 2,956	1,947	11,512	836	75,787	103,144	358	8,854	4,914	322,871	21,864	44,442	594,582	30,512	R 43,111	—	—	R 335,660	—
1998	R 3,706	2,015	15,572	574	79,028	105,385	474	10,936	5,145	329,943	18,281	38,703	604,043	34,594	51,641	—	—	R 322,587	—
1999	R 3,005	2,146	20,366	825	74,662	98,673	288	12,171	5,198	337,791	28,565	39,220	617,760	33,372	41,075	—	—	R 416,023	—
2000	2,954	2,322	20,359	723	84,457	103,001	364	12,558	5,120	342,890	40,937	37,073	647,484	35,176	42,770	—	—	391,478	—

Trillion Btu																			
1960	35.9	1,301.8	70.8	27.2	155.4	140.7	5.8	35.7	22.9	719.8	506.6	153.9	1,838.7	(s)	183.4	82.1	0.8	11.8	3,454.5
1965	63.7	1,813.2	78.9	16.9	204.5	222.2	4.6	44.2	27.2	892.5	438.5	168.7	2,098.2	3.2	319.0	97.5	4.2	-4.8	4,394.2
1970	61.8	2,241.3	80.2	11.0	228.5	332.9	5.7	58.7	24.1	1,124.5	442.1	210.6	2,518.2	34.4	399.5	116.8	11.3	133.1	5,516.5
1975	56.4	1,937.3	87.2	8.3	246.6	350.7	11.5	71.6	22.0	1,268.6	698.4	232.3	2,997.3	66.9	417.3	127.5	70.2	387.6	6,060.4
1980	66.2	1,890.9	122.3	1.4	362.8	354.2	12.0	70.5	29.8	1,332.1	934.9	289.5	3,509.6	53.7	424.5	134.0	109.8	419.3	6,607.9
1985	45.3	1,925.5	91.9	6.8	421.9	375.8	5.2	73.8	27.1	1,404.5	419.5	327.2	3,153.7	R 209.6	373.7	155.5	195.7	R 590.7	R 6,649.6
1990	R 80.1	1,923.7	98.6	5.6	480.9	534.7	0.8	72.5	30.5	1,607.3	408.0	323.2	3,562.0	R 346.0	R ⁱ 274.9	R 207.9	R ⁱ 354.4	R 948.7	R 7,721.1
1991	R 89.5	2,023.9	94.6	5.5	439.3	508.1	0.8	67.2	27.3	1,569.1	286.5	267.9	3,266.2	R 330.7	R 236.4	R 204.4	R 368.0	R 1,025.0	R 7,559.6
1992	R 91.5	2,089.5	90.0	5.3	391.8	489.5	0.4	76.4	27.8	1,658.1	218.1	284.6	3,242.1	R 369.0	R 209.1	R 215.5	R 382.2	R 920.6	R 7,531.3
1993	R 84.7	2,047.5	82.5	4.1	344.2	504.7	0.7	60.1	28.3	1,621.7	236.5	258.3	3,141.2	R 331.7	420.5	R 192.1	R 388.0	R 815.2	R 7,431.9
1994	R 84.6	2,172.1	81.2	4.0	378.2	560.1	0.7	65.8	29.6	1,609.0	267.4	268.4	3,264.3	R 352.8	248.1	R 193.5	R 372.2	R 839.6	R 7,535.3
1995	R 84.3	1,955.9	81.0	4.1	400.2	540.4	0.9	53.6	29.1	1,634.7	295.2	250.9	3,290.1	R 317.8	R 521.5	R 177.7	R 317.4	R 889.3	R 7,562.5
1996	R 73.9	1,865.1	82.3	3.9	392.7	588.4	1.7	39.4	28.2	1,660.0	257.4	275.4	3,329.4	R 358.1	R 487.3	R 172.2	R 332.0	R 1,016.5	R 7,638.7
1997	R 67.2	1,982.0	76.4	4.2	441.5	584.8	2.0	32.0	29.8	1,683.1	137.5	263.9	3,255.3	R 320.2	R 440.3	R 149.3	R 326.5	R 1,145.3	R 7,688.7
1998	R 84.6	2,109.5	103.3	2.9	460.3	597.5	2.7	39.5	31.2	1,719.7	114.9	230.1	3,302.2	R 362.9	R 526.6	R 140.6	R 326.2	R 1,100.7	R 7,957.5
1999	R 69.5	2,182.4	135.1	4.2	434.9	559.5	1.6	44.0	31.5	1,760.2	179.6	232.5	3,383.2	R 348.7	R 420.0	R 151.2	R 333.9	R 1,419.5	R 8,314.3
2000	70.0	2,273.2	135.1	3.7	492.0	584.0	2.1	45.3	31.1	1,786.5	257.4	220.7	3,557.7	366.8	436.3	157.3	319.9	1,335.7	8,518.7

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the technical Notes for each type of energy.

^b Includes supplemental gaseous fuels.

^c Liquefied petroleum gases.

^d "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in the Technical Notes, Section 4, "Other Petroleum Products."

^e If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

^f "Other" is geothermal, wind, photovoltaic, and solar thermal energy. From 1989, includes net imports of electricity generated from geothermal energy. See Technical Notes Section 5 Renewable Energy, for explanation of estimation methodology.

^g Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number indicates

that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

^h From 1989, "Total" does not equal the sum of the columns. Net imports of electricity generated from nonrenewable energy sources (shown in the Technical Notes Table TN8) is included in the total but not in any other columns.

ⁱ There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

kWh=Kilowatt-hours. R=Revised data. —=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 8. Residential Energy Consumption Estimates, Selected Years, 1960-2000, California

Year	Coal ^a Thousand Short Tons	Natural Gas ^b Billion Cubic Feet	Petroleum				Wood ^a Thousand Cords	Geothermal	Solar ^d	Electricity ^a Million Kilowatthours	Net Energy	Electrical System Energy Losses ^e	Total
			Distillate Fuel ^a	Kerosene ^a	LPG ^{a,c}	Total						Million Kilowatthours	
			Thousand Barrels										
1960	R 4	365	485	15	3,778	4,277	1,263	—	—	14,975	—	37,248	—
1965	R 6	489	427	31	5,095	5,553	1,083	—	—	23,800	—	56,824	—
1970	R 61	553	500	166	5,167	5,833	1,209	—	—	35,777	—	86,700	—
1975	0	631	493	211	2,708	3,412	1,374	—	—	44,257	—	106,754	—
1980	1	529	94	18	4,919	5,032	3,550	—	—	52,011	—	126,473	—
1985	R 11	527	148	73	5,350	5,571	4,083	—	—	57,501	—	R 134,560	—
1990	R 5	515	226	88	5,750	6,064	3,174	—	—	66,575	—	R 145,231	—
1991	R 7	509	199	80	6,952	7,231	3,344	—	—	66,017	—	R 142,412	—
1992	(s)	480	201	33	4,802	5,036	3,519	—	—	68,121	—	R 144,357	—
1993	R 24	501	155	67	5,035	5,257	2,983	—	—	67,359	—	R 141,519	—
1994	R 25	521	148	67	4,953	5,168	2,924	—	—	68,866	—	R 142,728	—
1995	R 17	477	129	81	4,884	5,094	3,246	—	—	68,783	—	R 142,724	—
1996	R 21	473	101	103	4,079	4,283	3,240	—	—	71,396	—	R 148,241	—
1997	R 12	479	125	135	3,686	3,945	1,883	—	—	73,086	—	R 151,104	—
1998	R 13	550	156	237	6,092	6,485	R 1,705	—	—	74,792	—	R 153,564	—
1999	R 3	568	101	187	5,711	6,000	R 1,822	—	—	75,303	—	R 146,442	—
2000	3	517	160	287	5,328	5,775	1,908	—	—	79,241	—	135,862	—

Trillion Btu

1960	0.1	377.6	2.8	0.1	15.2	18.1	25.3	0.0	0.0	51.1	R 472.1	127.1	R 599.2
1965	0.1	524.9	2.5	0.2	20.4	23.1	21.7	0.0	0.0	81.2	R 651.0	193.9	844.8
1970	R 1.3	582.4	2.9	0.9	19.5	23.4	24.2	0.0	0.0	122.1	R 753.4	295.8	R 1,049.2
1975	0.0	666.7	2.9	1.2	10.1	14.1	27.5	0.0	0.0	151.0	859.3	364.2	1,223.6
1980	(s)	552.4	0.6	0.1	18.1	18.7	71.0	0.0	0.0	177.5	819.6	431.5	R 1,251.1
1985	R 0.2	547.8	0.9	0.4	19.3	20.6	81.7	0.0	0.0	196.2	R 846.4	R 459.1	R 1,305.6
1990	R 0.1	530.8	1.3	0.5	20.8	22.7	63.5	f 0.2	f 18.4	227.2	R f 862.8	R 495.5	R f 1,358.3
1991	R 0.2	522.3	1.2	0.5	25.1	26.7	66.9	0.2	19.1	225.2	R 860.6	R 485.9	R 1,346.5
1992	(s)	492.7	1.2	0.2	17.4	18.8	70.4	0.2	19.6	232.4	834.1	R 492.5	R 1,326.6
1993	R 0.6	519.9	0.9	0.4	18.2	19.4	59.7	0.2	20.1	229.8	R 849.7	R 482.9	R 1,332.6
1994	R 0.6	531.7	0.9	0.4	18.0	19.2	58.5	0.2	20.4	235.0	R 865.5	R 487.0	R 1,352.5
1995	R 0.4	483.8	0.8	0.5	17.7	18.9	64.9	0.2	20.5	234.7	R 823.4	R 487.0	R 1,310.3
1996	R 0.5	489.1	0.6	0.6	14.7	15.9	64.8	0.2	R 20.4	243.6	R 834.5	R 505.8	R 1,340.3
1997	R 0.3	487.4	0.7	0.8	13.3	14.8	37.7	0.2	20.1	249.4	R 809.8	R 515.6	R 1,325.4
1998	R 0.3	578.3	0.9	1.3	22.0	24.3	R 34.1	0.2	19.7	255.2	R 912.0	R 524.0	R 1,436.0
1999	R 0.1	578.6	0.6	1.1	20.7	22.3	R 36.4	0.1	R 19.1	256.9	R 913.6	R 499.7	R 1,413.3
2000	0.1	505.2	0.9	1.6	19.2	21.8	38.2	0.2	18.3	270.4	854.0	463.6	1,317.5

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

^b Includes supplemental gaseous fuels.

^c Liquefied petroleum gases.

^d Includes small amounts of solar thermal and photovoltaic energy consumed by the commercial sector that cannot be separately identified. See Section 5 of the the Technical Notes for an explanation of estimation methodology.

^e Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

R=Revised data.

— =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 9. Commercial Energy Consumption Estimates, Selected Years, 1960-2000, California

Year	Coal ^a	Natural Gas ^b	Petroleum						Wood ^a	Geothermal	Electricity ^a	Net Energy	Electrical System Energy Losses ^d	Total ^e
			Distillate Fuel ^a	Kerosene ^a	LPG ^{a,c}	Motor Gasoline	Residual Fuel ^a	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Thousand Cords	Million Kilowatthours	Million Kilowatthours			
1960	R 3	109	637	46	667	1,406	7,284	10,040	24	—	22,039	—	54,819	—
1965	R 5	164	560	95	899	1,309	6,200	9,064	20	—	29,917	—	71,430	—
1970	R 48	210	657	510	912	1,482	8,631	12,192	23	—	40,634	—	98,471	—
1975	0	240	647	650	478	1,622	4,377	7,774	26	—	57,846	—	139,532	—
1980	3	258	3,225	222	868	1,795	6,811	12,921	85	—	63,465	—	154,326	—
1985	R 42	205	3,513	353	944	1,759	35	6,604	109	—	73,592	—	R 172,214	—
1990	R 21	285	4,588	19	1,015	1,928	895	8,444	R 211	—	88,311	—	R 192,648	—
1991	R 37	288	4,449	23	1,227	1,647	764	8,110	R 224	—	86,098	—	R 185,731	—
1992	(s)	285	1,994	20	847	1,485	43	4,390	R 240	—	87,849	—	R 186,164	—
1993	R 118	250	1,591	19	889	262	18	2,779	R 250	—	86,544	—	R 181,828	—
1994	R 141	262	1,505	12	874	226	8	2,625	R 251	—	84,529	—	R 175,189	—
1995	R 116	279	2,334	27	862	236	4	3,463	R 251	—	86,032	—	R 178,515	—
1996	R 156	235	1,743	69	720	231	12	2,775	R 275	—	88,605	—	R 183,972	—
1997	R 97	254	1,955	41	650	233	2	2,881	R 215	—	92,295	—	R 190,818	—
1998	R 103	282	2,451	63	1,075	250	63	3,901	R 212	—	92,228	—	R 189,364	—
1999	R 24	245	1,624	29	1,008	236	0	2,897	R 230	—	95,771	—	R 186,246	—
2000	21	246	2,056	53	940	237	1	3,288	234	—	99,900	—	171,283	—

Trillion Btu

1960	0.1	112.7	3.7	0.3	2.7	7.4	45.8	59.8	0.5	0.0	75.2	R 248.2	187.0	435.3
1965	R 0.1	175.5	3.3	0.5	3.6	6.9	39.0	53.3	0.4	0.0	102.1	R 331.3	243.7	R 575.0
1970	R 1.1	221.3	3.8	2.9	3.4	7.8	54.3	72.2	0.5	0.0	138.6	R 433.6	336.0	R 769.6
1975	0.0	253.7	3.8	3.7	1.8	8.5	27.5	45.3	0.5	0.0	197.4	496.8	476.1	972.9
1980	0.1	269.4	18.8	1.3	3.2	9.4	42.8	75.5	1.7	0.0	216.5	563.2	526.6	1,089.8
1985	R 1.0	212.9	20.5	2.0	3.4	9.2	0.2	35.3	2.2	0.0	251.1	R 502.5	R 587.6	R 1,090.1
1990	R 0.5	294.1	26.7	0.1	3.7	10.1	5.6	46.3	R 4.2	f 0.3	301.3	f 646.7	R 657.3	f 1,304.0
1991	R 0.9	295.3	25.9	0.1	4.4	8.7	4.8	43.9	R 4.5	0.3	293.8	R 638.7	R 633.7	R 1,272.4
1992	(s)	292.8	11.6	0.1	3.1	7.8	0.3	22.9	R 4.8	0.3	299.7	R 620.6	R 635.2	R 1,255.8
1993	R 2.7	259.8	9.3	0.1	3.2	1.4	0.1	14.1	R 5.0	0.3	295.3	R 577.2	R 620.4	R 1,197.6
1994	R 3.3	267.4	8.8	0.1	3.2	1.2	(s)	13.2	R 5.0	0.3	288.4	R 577.7	R 597.7	R 1,175.4
1995	R 2.7	282.4	13.6	0.2	3.1	1.2	(s)	18.1	R 5.0	0.4	293.5	R 602.2	R 609.1	R 1,211.3
1996	R 3.6	242.9	10.2	0.4	2.6	1.2	0.1	14.4	R 5.5	0.5	302.3	R 569.2	R 627.7	R 1,196.9
1997	R 2.2	258.4	11.4	0.2	2.4	1.2	(s)	15.2	R 4.3	0.5	314.9	R 595.6	R 651.1	R 1,246.7
1998	R 2.4	296.7	14.3	0.4	3.9	1.3	0.4	20.2	R 4.2	0.7	314.7	R 638.9	R 646.1	R 1,285.0
1999	R 0.6	249.1	9.5	0.2	3.6	1.2	0.0	14.5	R 4.6	0.5	326.8	R 596.0	R 635.5	R 1,231.5
2000	0.5	240.9	12.0	0.3	3.4	1.2	(s)	16.9	4.7	0.6	340.9	604.4	584.4	1,188.8

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

^b Includes supplemental gaseous fuels.

^c Liquefied petroleum gases.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

R=Revised data.

— =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 10. Industrial Energy Consumption Estimates, Selected Years, 1960-2000, California

Year	Coal ^a Thousand Short Tons	Natural Gas ^b Billion Cubic Feet	Petroleum									Hydro-electric Power ^a Million kWh	Wood and Waste ^a	Other ^{a,e}	Electricity ^a		Electrical System Energy Losses ^f Million kWh	Total
			Asphalt and Road Oil ^a	Distillate Fuel ^a	Kerosene ^a	LPG ^{a,c}	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Other ^{a,d}	Total				Million kWh	Net Energy		
			Thousand Barrels															
1960	1,313	451	10,665	10,127	956	4,231	1,454	2,851	10,750	25,691	66,725	(s)	—	—	20,190	—	50,221	—
1965	2,361	529	11,892	13,002	692	4,826	1,709	2,245	11,846	28,664	74,876	(s)	—	—	28,904	—	69,012	—
1970	2,215	711	12,084	8,510	328	9,147	1,510	1,942	12,121	35,824	81,466	(s)	—	—	42,169	—	102,190	—
1975	2,151	666	13,146	10,519	1,166	15,688	1,246	1,338	8,308	39,478	90,890	0	—	—	46,053	—	111,086	—
1980	2,665	486	18,431	15,576	1,877	12,887	2,103	1,698	12,554	49,455	114,581	0	—	—	51,888	—	126,174	—
1985	1,889	433	13,848	18,285	491	12,977	1,914	3,065	18,732	55,165	124,477	0	—	—	52,972	—	123,962	—
1990	R 3,617	588	14,862	19,138	38	12,304	2,153	3,163	9 1,864	54,940	108,462	R 9 800	—	—	55,892	—	121,926	—
1991	R 3,958	707	14,251	14,329	36	9,658	1,926	3,271	1,762	45,165	90,398	R 908	—	—	56,191	—	121,216	—
1992	R 4,062	687	13,558	11,101	23	14,788	1,964	3,297	1,889	48,344	94,964	R 958	—	—	57,090	—	120,980	—
1993	R 3,674	747	12,433	8,779	44	10,073	2,000	2,664	1,539	43,672	81,205	2,511	—	—	56,189	—	118,052	—
1994	R 3,537	726	12,237	9,028	40	11,266	2,090	2,758	1,353	45,397	84,169	R 1,095	—	—	59,864	—	124,069	—
1995	R 3,543	754	12,212	8,607	56	8,489	2,054	2,849	1,489	42,389	78,145	R 3,104	—	—	57,367	—	119,037	—
1996	R 2,992	761	12,399	8,078	122	5,634	1,994	2,741	309	46,392	77,670	R 2,889	—	—	57,683	—	119,768	—
1997	R 2,848	812	11,512	11,031	182	4,169	2,106	2,910	104	44,442	76,456	R 2,271	—	—	62,017	—	128,217	—
1998	R 3,590	900	15,572	11,849	174	3,100	2,205	3,263	33	38,703	74,899	2,073	—	—	58,856	—	120,844	—
1999	R 2,977	1,175	20,366	8,737	73	5,068	2,228	1,922	684	39,220	78,298	1,508	—	—	63,217	—	122,938	—
2000	2,930	1,415	20,359	12,379	23	5,948	2,194	1,971	131	37,073	80,080	1,292	—	—	64,311	—	110,264	—

Trillion Btu																		
1960	35.2	466.3	70.8	59.0	5.4	17.0	8.8	15.0	67.6	153.9	397.5	(s)	56.3	0.0	68.9	1,024.2	171.4	1,195.5
1965	63.2	567.4	78.9	75.7	3.9	19.4	10.4	11.8	74.5	168.7	443.3	(s)	74.8	0.0	98.6	1,247.3	235.5	1,482.8
1970	59.3	749.1	80.2	49.6	1.9	34.6	9.2	10.2	76.2	210.6	472.3	(s)	91.7	0.0	143.9	1,516.4	348.7	1,865.0
1975	56.4	703.6	87.2	61.3	6.6	58.3	7.6	7.0	52.2	232.3	512.5	0.0	99.3	0.0	157.1	1,529.0	379.0	1,908.0
1980	66.1	507.4	122.3	90.7	10.6	47.3	12.8	8.9	78.9	289.5	661.2	0.0	61.1	0.0	177.0	1,472.7	430.5	1,903.3
1985	44.0	449.5	91.9	106.5	2.8	46.8	11.6	16.1	117.8	327.2	720.6	0.0	71.6	0.0	180.7	1,466.5	R 423.0	R 1,889.4
1990	R 79.6	606.5	98.6	111.5	0.2	44.6	13.1	16.6	11.7	323.2	619.5	R 9 8.3	R 140.2	R 9 146.3	190.7	R 9 1,791.1	R 416.0	R 9 2,207.1
1991	R 88.5	725.7	94.6	83.5	0.2	34.9	11.7	17.2	11.1	267.9	521.0	R 9.5	R 133.0	R 167.0	191.7	R 1,836.4	R 413.6	R 2,249.9
1992	R 91.5	705.7	90.0	64.7	0.1	53.6	11.9	17.3	11.9	284.6	534.1	R 9.9	R 140.3	R 177.9	194.8	R 1,854.1	R 412.8	R 2,266.9
1993	R 81.4	775.3	82.5	51.1	0.3	36.3	12.1	14.0	9.7	258.3	464.3	25.9	R 127.4	R 193.8	191.7	R 1,859.7	R 402.8	R 2,262.5
1994	R 80.8	741.4	81.2	52.6	0.2	41.0	12.7	14.4	8.5	268.4	478.9	11.3	R 130.0	R 185.7	204.3	R 1,832.3	R 423.3	R 2,255.6
1995	R 81.2	764.3	81.0	50.1	0.3	30.8	12.5	14.9	9.4	250.9	449.8	R 32.0	R 107.8	R 181.4	195.7	R 1,812.2	R 406.2	R 2,218.3
1996	R 69.8	786.7	82.3	47.1	0.7	20.4	12.1	14.3	1.9	275.4	454.1	R 29.9	R 101.3	R 191.4	196.8	R 1,830.1	R 408.6	R 2,238.7
1997	R 64.7	825.9	76.4	64.3	1.0	15.1	12.8	15.2	0.7	263.9	449.3	R 23.2	R 106.1	R 194.2	211.6	R 1,875.0	R 437.5	R 2,312.4
1998	R 81.9	946.7	103.3	69.0	1.0	11.2	13.4	17.0	0.2	230.1	445.2	R 21.1	R 101.1	R 199.2	200.8	R 1,996.0	R 412.3	R 2,408.3
1999	R 68.9	1,196.3	135.1	50.9	0.4	18.3	13.5	10.0	4.3	232.5	465.1	R 15.4	R 108.7	R 281.0	215.7	R 2,351.2	R 419.5	R 2,770.6
2000	69.4	1,383.5	135.1	72.1	0.1	21.5	13.3	10.3	0.8	220.7	473.9	13.2	113.1	300.9	219.4	2,573.4	376.2	2,949.7

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
^b Includes supplemental gaseous fuels.
^c Liquefied petroleum gases.
^d "Other" is the subtotal of 16 petroleum products. See a full description in Section 4 of the Technical Notes "Other Petroleum Products."
^e "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Section 5 of the Technical Notes for an explanation of estimation methodology.
^f Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.
⁹ There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
R=Revised data.
kWh=Kilowatthours. — =Not applicable.
(s)=Btu value less than 0.05 and physical unit value less than 0.5.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 11. Transportation Energy Consumption Estimates, Selected Years, 1960-2000, California

Year	Coal ^a Thousand Short Tons	Natural Gas ^b Billion Cubic Feet	Petroleum								Ethanol ^d Thousand Barrels	Electricity ^a Million Kilowatthours	Net Energy	Electrical System Energy Losses ^e Million Kilowatthours	Total ^d
			Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	LPG ^{a,c}	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Total					
			Thousand Barrels												
1960	23	11	5,383	15,313	25,818	214	2,327	132,768	38,610	220,432	0	66	—	164	—
1965	8	16	3,342	21,032	40,150	208	2,772	166,346	35,109	268,960	0	66	—	158	—
1970	4	17	2,184	29,448	59,614	305	2,457	210,641	27,982	332,632	0	65	—	158	—
1975	(s)	20	1,640	30,528	62,509	390	2,386	238,548	20,056	356,057	0	265	—	639	—
1980	0	15	285	41,801	62,224	522	2,804	250,100	66,673	424,409	0	203	—	493	—
1985	0	14	1,354	50,177	67,028	1,225	2,552	262,544	43,340	428,219	^f 429	266	—	^R 623	—
1990	0	20	1,106	58,418	94,907	923	2,871	300,893	54,963	514,080	1,133	315	—	^R 688	—
1991	0	19	1,091	56,328	90,064	760	2,568	293,780	42,113	486,703	1,424	345	—	^R 744	—
1992	0	15	1,059	53,839	86,688	650	2,619	310,861	32,282	487,997	158	387	—	^R 820	—
1993	0	12	819	48,455	89,244	658	2,666	305,800	32,831	480,474	575	408	—	^R 856	—
1994	0	13	793	54,137	98,793	1,006	2,787	304,669	38,310	500,495	810	425	—	^R 881	—
1995	0	20	807	57,540	95,305	564	2,739	310,379	44,729	512,062	2,523	423	—	^R 878	—
1996	0	20	769	57,352	103,773	481	2,658	315,285	39,644	519,961	2,128	429	—	^R 891	—
1997	0	25	836	62,403	103,144	349	2,808	319,727	21,714	510,982	2,134	478	—	^R 988	—
1998	0	11	574	64,305	105,385	670	2,940	326,430	18,176	518,480	1,610	521	—	^R 1,069	—
1999	0	13	825	64,078	98,673	384	2,971	335,633	27,881	530,446	1,395	540	—	^R 1,050	—
2000	0	14	723	69,561	103,001	341	2,926	340,681	40,777	558,011	1,589	606	—	1,039	—

Trillion Btu

1960	0.6	11.0	27.2	89.2	140.7	0.9	14.1	697.4	242.7	1,212.2	0.0	0.2	1,223.9	0.6	1,224.5
1965	0.2	16.8	16.9	122.5	222.2	0.8	16.8	873.8	220.7	1,473.8	0.0	0.2	1,491.0	0.5	1,491.5
1970	0.1	17.9	11.0	171.5	332.9	1.2	14.9	1,106.5	175.9	1,814.0	0.0	0.2	1,832.2	0.5	1,832.7
1975	(s)	21.4	8.3	177.8	350.2	1.5	14.5	1,253.1	126.1	1,931.4	0.0	0.9	1,953.7	2.2	1,955.9
1980	0.0	15.9	1.4	243.5	348.7	1.9	17.0	1,313.8	419.2	2,345.5	0.0	0.7	2,362.1	1.7	2,363.8
1985	0.0	15.0	6.8	292.3	375.8	4.4	15.5	1,379.1	272.5	2,346.5	^f 1.5	0.9	^f 2,362.3	2.1	^f 2,364.5
1990	0.0	20.8	5.6	340.3	534.7	3.3	17.4	1,580.6	345.6	2,827.4	4.0	1.1	2,849.3	^R 2.3	2,851.6
1991	0.0	19.0	5.5	328.1	508.1	2.7	15.6	1,543.2	264.8	2,668.0	5.0	1.2	2,688.2	^R 2.5	2,690.8
1992	0.0	15.2	5.3	313.6	489.5	2.4	15.9	1,633.0	203.0	2,662.7	0.6	1.3	2,679.2	2.8	2,682.0
1993	0.0	12.5	4.1	282.3	504.7	2.4	16.2	1,606.4	206.4	2,622.4	2.0	1.4	2,636.3	2.9	2,639.3
1994	0.0	12.9	4.0	315.3	560.1	3.7	16.9	1,593.4	240.9	2,734.3	2.9	1.5	2,748.7	3.0	2,751.7
1995	0.0	20.0	4.1	335.2	540.4	2.0	16.6	1,618.6	281.2	2,798.1	8.9	1.4	2,819.6	3.0	2,822.6
1996	0.0	20.2	3.9	334.1	588.4	1.7	16.1	1,644.5	249.2	2,838.0	7.5	1.5	2,859.6	3.0	2,862.7
1997	0.0	25.1	4.2	363.5	584.8	1.3	17.0	1,666.7	136.5	2,774.1	7.6	1.6	2,800.8	3.4	^R 2,804.1
1998	0.0	11.9	2.9	374.6	597.5	2.4	17.8	1,701.4	114.3	2,810.9	5.7	1.8	2,824.6	^R 3.6	2,828.2
1999	0.0	12.9	4.2	373.3	559.5	1.4	18.0	1,749.0	175.3	2,880.6	4.9	1.8	2,895.3	3.6	2,898.9
2000	0.0	13.9	3.7	405.2	584.0	1.2	17.7	1,774.9	256.4	3,043.2	5.6	2.1	3,059.1	3.5	3,062.7

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

^b Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

^c Liquefied petroleum gases.

^d Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

^e Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for

electrical system energy losses.

^f There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

Table 12. Estimates of Energy Input at Electric Utilities, Selected Years, 1960-2000, California

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy ^f	Other ^{b,g}	Total ^h
			Residual Fuel ^{b,c}	Distillate Fuel ^{b,d}	Petroleum Coke ^b	Total						
			Thousand Barrels									
1960	0	323	23,931	120	0	24,051	(s)	17,045	(s)	33	0	—
1965	0	493	16,590	83	0	16,673	270	30,520	64	189	0	—
1970	0	636	21,589	107	0	21,696	3,132	38,071	48	525	0	—
1975	0	275	78,345	247	0	78,592	6,071	40,103	20	3,246	0	—
1980	0	519	62,663	2,559	0	65,222	4,920	40,868	20	5,073	0	—
1985	0	666	4,617	308	0	4,925	19,729	35,772	4	9,197	13	—
1990	0	456	7,169	189	0	7,358	32,693	25,630	2	8,968	2	—
1991	0	449	933	104	0	1,037	31,542	21,743	8	8,638	3	—
1992	0	564	482	124	0	605	35,244	19,260	5	8,807	3	—
1993	0	466	3,227	109	0	3,336	31,581	38,280	4	8,300	3	—
1994	0	601	2,854	104	0	2,959	33,752	22,956	3	7,918	3	—
1995	0	395	734	101	0	835	30,246	47,468	2	5,490	15	—
1996	0	318	983	138	0	1,122	34,097	44,235	55	5,692	13	—
1997	0	378	44	273	0	317	30,512	40,840	122	5,317	9	—
1998	0	271	10	268	0	278	34,594	49,568	120	5,061	5	—
1999	0	145	0	120	0	120	33,372	39,567	141	1,573	7	—
2000	0	129	28	301	0	330	35,176	41,478	136	(s)	9	—

Trillion Btu												
1960	0.0	334.3	150.5	0.7	0.0	151.2	(s)	183.4	(s)	0.8	0.0	669.6
1965	0.0	528.7	104.3	0.5	0.0	104.8	3.2	319.0	0.7	4.2	0.0	960.5
1970	0.0	670.6	135.7	0.6	0.0	136.4	34.4	399.5	0.5	11.3	0.0	1,252.7
1975	0.0	291.9	492.6	1.4	0.0	494.0	66.9	417.3	0.2	70.2	0.0	1,340.4
1980	0.0	545.8	394.0	14.8	0.0	408.7	53.7	424.5	0.2	109.8	0.0	1,542.7
1985	0.0	700.3	29.0	1.8	0.0	30.8	R 209.6	373.7	(s)	195.6	0.1	R 1,510.1
1990	0.0	471.5	45.1	1.1	0.0	46.2	R 346.0	266.6	(s)	189.2	(s)	R 1,342.8
1991	0.0	461.6	5.9	0.6	0.0	6.5	R 330.7	226.9	0.1	181.4	(s)	R 1,222.6
1992	0.0	583.1	3.0	0.7	0.0	3.7	R 369.0	199.2	0.1	184.2	(s)	R 1,351.0
1993	0.0	480.0	20.3	0.6	0.0	20.9	R 331.7	394.6	(s)	173.6	(s)	R 1,412.1
1994	0.0	618.7	17.9	0.6	0.0	18.6	R 352.8	236.8	(s)	165.6	(s)	R 1,400.6
1995	0.0	405.4	4.6	0.6	0.0	5.2	R 317.8	489.5	(s)	114.8	0.2	R 1,341.3
1996	0.0	326.3	6.2	0.8	0.0	7.0	R 358.1	457.4	0.6	119.3	0.1	R 1,272.9
1997	0.0	385.1	0.3	1.6	0.0	1.9	R 320.2	R 417.1	R 1.2	111.4	0.1	R 1,239.7
1998	0.0	276.0	0.1	1.6	0.0	1.6	R 362.9	R 505.4	1.2	106.4	0.1	R 1,257.8
1999	0.0	145.5	0.0	0.7	0.0	0.7	R 348.7	R 404.6	R 1.4	33.1	0.1	R 939.9
2000	0.0	129.7	0.2	1.8	0.0	1.9	366.8	423.1	1.4	(s)	0.1	924.7

^a Includes supplemental gaseous fuels.
^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
^c Prior to 1980, based on oil used in steam plants. Since 1980, residual fuel includes fuel oil nos. 4, 5, and 6 and residual fuel oils.
^d Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, distillate fuel includes fuel oil nos. 1 and 2, kerosene, and jet fuel.
^e If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.
^f Includes net imports of electricity generated from geothermal energy.
^g "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.
^h From 1989, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in Technical Notes Table A8.
 R=Revised data.
 — =Not applicable.
 (s)=Btu value less than 0.05 and physical unit value less than 0.5.
 Note: Totals may not equal sum of components due to independent rounding.
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.